

SEQUENCE LISTING

<110> Kenneth W. Dobie

<120> ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 4 EXPRESSION

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ggcggattaa ttggaattct tcaaa atg tca ggt gtg gta ccc aca gcc cct 172

Met Ser Gly Val Val Pro Thr Ala Pro

1

5

gaa cag cct gca ggt gaa atg gaa aat caa aca aaa cca cca gat cca 220
Glu Gln Pro Ala Gly Glu Met Glu Asn Gln Thr Lys Pro Pro Asp Pro
10 15 20 25

agg cct gat gct cct cct gaa tac agt tct cat ttt tta cca gga ccc 268
Arg Pro Asp Ala Pro Pro Glu Tyr Ser Ser His Phe Leu Pro Gly Pro
30 35 40

cct gga aca gct gtc cct cca cct act ggc tac cca gga ggc ttg cct 316
Pro Gly Thr Ala Val Pro Pro Pro Thr Gly Tyr Pro Gly Gly Leu Pro
45 50 55

atg gga tac tac agt cca cag caa ccc agt acc ttc cct ttg tac cag 364
Met Gly Tyr Tyr Ser Pro Gln Gln Pro Ser Thr Phe Pro Leu Tyr Gln
60 65 70

cca gtt ggt ggt atc cat cct gtc cgg tat cag cct ggc aaa tat cct 412
Pro Val Gly Gly Ile His Pro Val Arg Tyr Gln Pro Gly Lys Tyr Pro
75 80 85

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| atg cca aat cag tct gtt cca ata aca tgg atg cca ggg cca act cct | 460 |
| Met Pro Asn Gln Ser Val Pro Ile Thr Trp Met Pro Gly Pro Thr Pro | |
| 90 95 100 105 | |
| atg gca aac tgc cct cct ggt ctg gaa tac tta gtt cag ttg gac aac | 508 |
| Met Ala Asn Cys Pro Pro Gly Leu Glu Tyr Leu Val Gln Leu Asp Asn | |
| 110 115 120 | |
| ata cat gtt ctt cag cat ttt gag cct ctg gaa atg atg aca tgt ttt | 556 |
| Ile His Val Leu Gln His Phe Glu Pro Leu Glu Met Met Thr Cys Phe | |
| 125 130 135 | |
| gaa act aat aat aga tat gat att aaa aac aac tca gac cag atg gtt | 604 |
| Glu Thr Asn Asn Arg Tyr Asp Ile Lys Asn Asn Ser Asp Gln Met Val | |
| 140 145 150 | |
| tac gtt gta acc gaa gac aca gat gac ttt acc agg aat gcc tat cgg | 652 |
| Tyr Val Val Thr Glu Asp Thr Asp Asp Phe Thr Arg Asn Ala Tyr Arg | |
| 155 160 165 | |
| aca cta agg ccc ttc gtc ctc cgg gtc act gat tgt atg ggc cga gaa | 700 |
| Thr Leu Arg Pro Phe Val Leu Arg Val Thr Asp Cys Met Gly Arg Glu | |
| 170 175 180 185 | |
| atc atg aca atg cag aga ccc ttc aga tgc acc tgc tgt tgc ttc tgt | 748 |
| Ile Met Thr Met Gln Arg Pro Phe Arg Cys Thr Cys Cys Cys Phe Cys | |
| 190 195 200 | |
| tgc ccc tct gcc aga caa gag ctg gag gtg cag tgt cct cct ggt gtc | 796 |
| Cys Pro Ser Ala Arg Gln Glu Leu Glu Val Gln Cys Pro Pro Gly Val | |
| 205 210 215 | |
| acc att ggc ttt gtt gcg gaa cat tgg aac ctg tgc agg gcg gtg tac | 844 |
| Thr Ile Gly Phe Val Ala Glu His Trp Asn Leu Cys Arg Ala Val Tyr | |
| 220 225 230 | |
| agc atc caa aat gag aag aaa gaa aat gtg atg aga gtt cgt ggg cca | 892 |

Ser Ile Gln Asn Glu Lys Lys Glu Asn Val Met Arg Val Arg Gly Pro
 235 240 245

tgc tca acc tat ggc tgt ggt tca gat tct gtt ttt gag gtc aaa tcc 940
 Cys Ser Thr Tyr Gly Cys Gly Ser Asp Ser Val Phe Glu Val Lys Ser
 250 255 260 265

ctt gat ggc ata tcc aac atc ggc agt att atc cgg aag tgg aat ggt 988
 Leu Asp Gly Ile Ser Asn Ile Gly Ser Ile Ile Arg Lys Trp Asn Gly
 270 275 280

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 Leu Leu Ser Ala Met Ala Asp Ala Asp His Phe Asp Ile His Phe Pro
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 Leu Asp Leu Asp Val Lys Met Lys Ala Met Ile Phe Gly Ala Cys Phe
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| ccagcattct gcggggcagg cggctctcgct tgattgggtt | tctcatgggt ctctggcggt | 180 |
| tntacggcgc ggctctcacg gactcaggcc aggccactcg | caggattaat tggaattctt | 240 |
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|---|-----------------------|----|

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|------------|-------------|------------|-------------|-------------|------------|-----|
| acagcccctg | aacagcctgc | aggtgaaatg | gaaaatcaaa | caaaaccacc | agatccaagg | 120 |
| cctgatgctc | ctcctgaata | caattctcat | tttttaccag | gaccccctgg | aacagctgtc | 180 |
| cctccaccta | ctggctaccc | aggaggcttg | cctatgggat | actacagtcc | acagcaaccc | 240 |
| agtaccttcc | ctttgtacca | gccagttggg | ggatatccatc | ctgtccggta | tcagcctggc | 300 |
| aaatatccta | tgccaaatca | gtctgttcca | ataacatgga | tgccagggcc | aactcctatg | 360 |
| gcaaactgcc | ctcctgggtc | ggaatactta | gttcagttgg | acaacataca | tgttcttcag | 420 |
| cattttgagc | ctctggaaac | tggaggtgca | gtgtcctcct | gggtgtcacca | ttggctntgt | 480 |
| tgcggaacat | tggaaacctgt | gcagggcggt | gtacagcatc | caaaatgaga | agaaagaaaa | 540 |
| tgtgatgaga | gttcgtgggc | catgctcaac | ctatggctgt | gggttcagatt | ctggttttga | 600 |
| ggtgaaacta | tgtaaaaata | gtgtttctga | tatttttcct | actcatatta | accaaccatg | 660 |
| gaaagatctg | gggtgtgacct | ttttttttat | gtgagtgaat | acctagtgtt | aggaagagta | 720 |
| attaccagct | tgacatcaaa | ggatttaagg | ttattggagt | aattgggggt | gccaaatgaa | 780 |
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| cggacactgc | gctcgcgtcg | catcctcagg | tggttgacaga | agtttcgtgg | tgctcgggcgc | 120 |
| gcgtctgcac | tgacagcgca | gagggtttgg | gagcgagcag | tttcctgccc | agggatgggg | 180 |
| gtcctggctg | cacttcacgg | gggcgtgcct | ttcgtttcgc | tctgcgtgac | aggtctcgct | 240 |
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| aggccactgg | caggattaat | tgggaattctt | caaaatgtca | gggtgtggtac | ccacagaccc | 360 |
| tgaacagcct | gcaggtgaaa | tggaaaatca | aacaaagaca | ccagatccaa | ggcctgatgc | 420 |
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| tcctgggtctg | gaatacttag | ttcagtatgg | acaacataca | tgttcttcag | gcatattgag | 720 |
| cctctggaaa | tgatgcaaat | gttttgaaac | taattcaaac | catctgatat | tagaaacaac | 780 |
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